

## ABSTRACT

Adjust equipment and method for array antenna transmitting link, include: power detect device, signal synthesize device and array adjust device; the downlink signal of the transmitting link processed by the power detect device and be transmitted to the power detect signal feed device, and then transmitted to the signal synthesize device; signal synthesize device depart the part of radio frequency signal, output to the power detect device for the power detect; output the power signal to the power detect signal feed device, add the power signal and high frequency signal, power detect signal depart device pick the power signal from the mixed signal, regulate the weight of the adjustment. This invention never use the special adjust signal transmitting device and becoming antenna, placed by using method of signal power detect to calculate the adjust weight value and transmitting phase adjust weight value of the transmit gain, the speed of the constringency become faster.